**Fig. 1A**

2/12

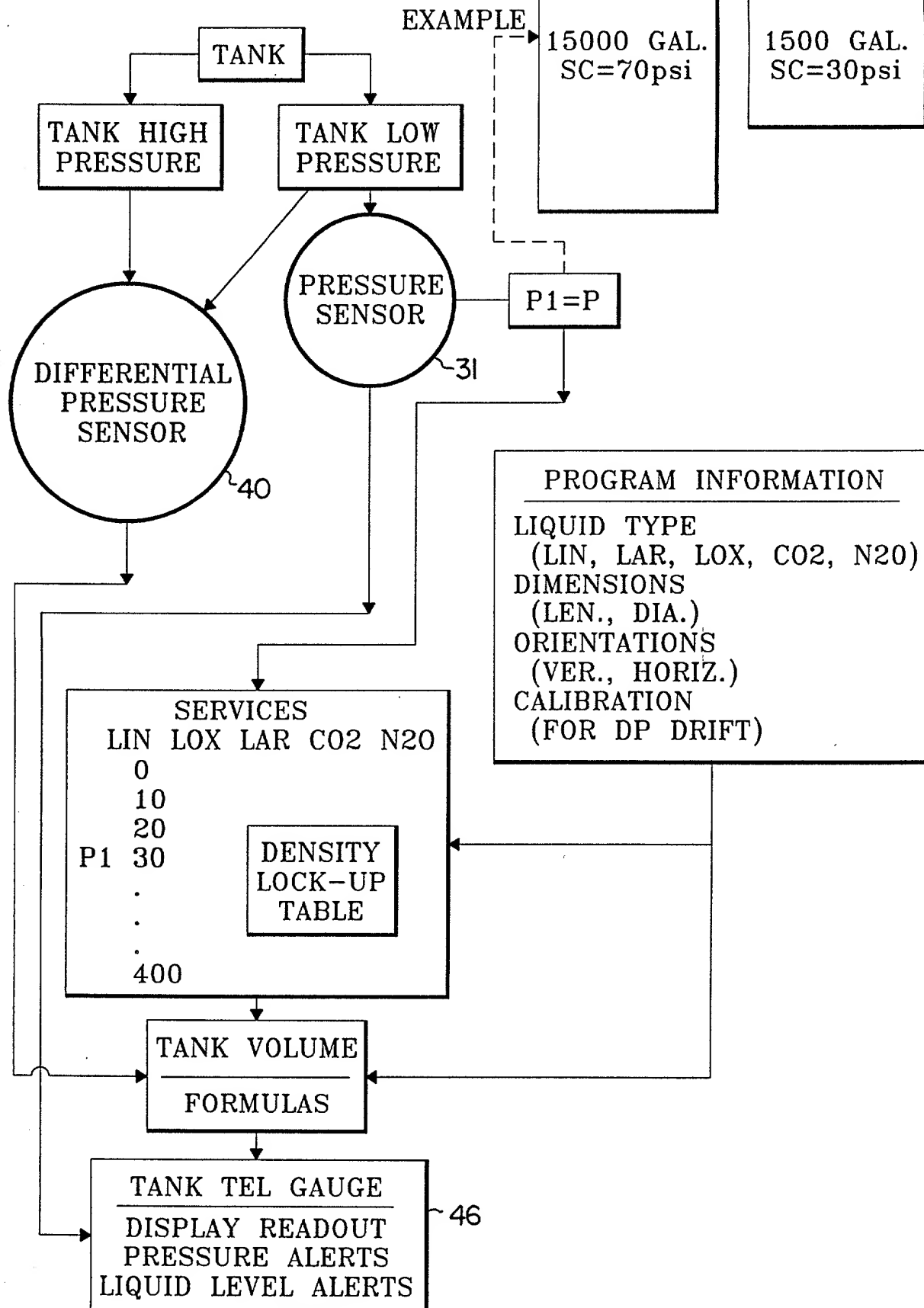
Fig. 1B

Fig. 1C

VESSEL	STRATIFICATION CONSTANT
VS-525	5
VS-900	5
VS-1500	10
VS-3000	10
VS-6000	15
VS-9000	15
VS-11000	20
VS-13000	30
VS-13000	40

PRESSURE=P INPUT-STRATIFICATION CONSTANT

PRESSURE: SATURATION PRESSURE USED FOR DENSITY CALCULATIONS

P INPUT: TANK PRESSURE AS TAKEN FROM PRESSURE SENSOR

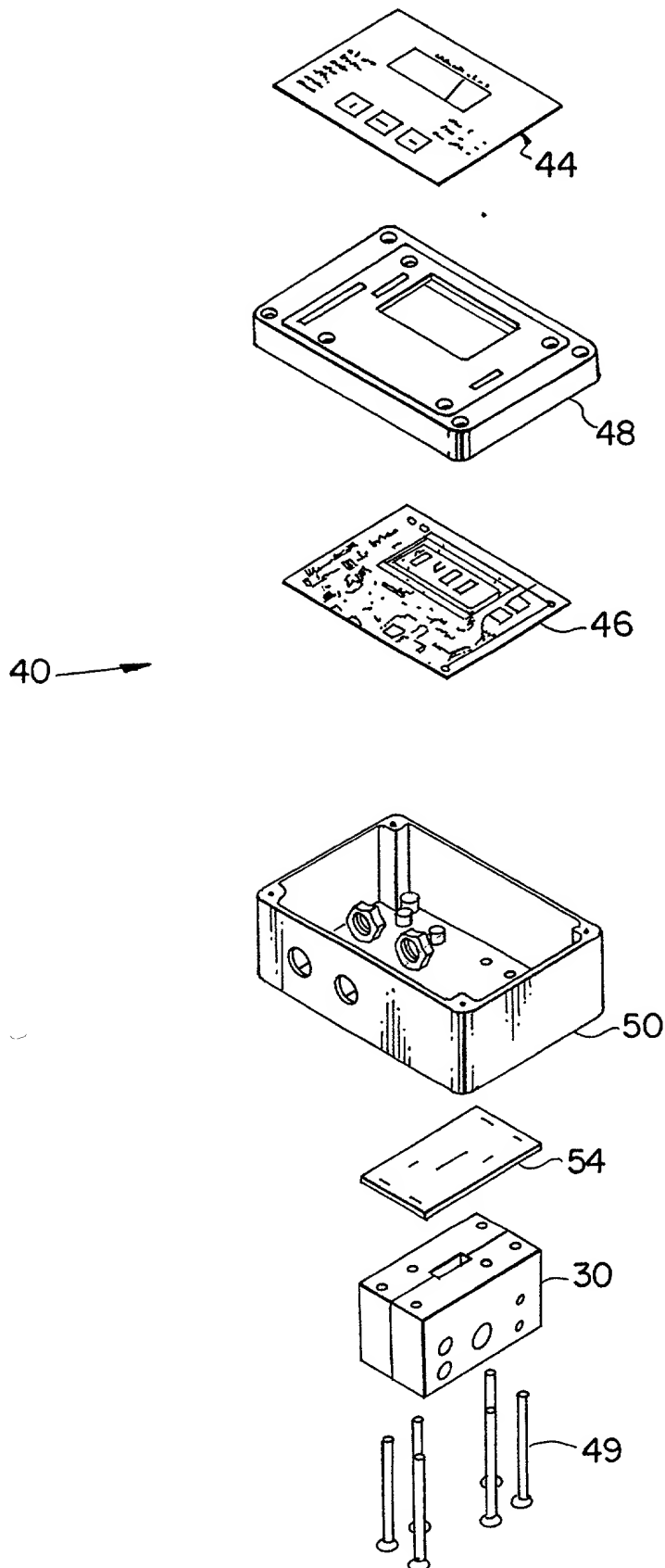
STRATIFICATION CONSTANT: CORRECTION FACTOR, DETERMINED BY TANK HEIGHT, TO CORRECT SATURATION PRESSURE FOR STRATIFICATION IN TANK

Fig. 1D 4/12

NITROGEN	ARGON	OXYGEN	CO2	NITROUS OXIDE (FT~3/LT)	P1 PRESS. (psig.)
24.51139	29.73338	30.34281		24.5688	0
23.84533	29.05061	29.64243		23.86245	10
23.34054	28.53307	29.11597		23.34036	20
22.92151	28.1036	28.68201		23.06396	30
22.55656	27.73047	28.30646		22.80292	40
22.22913	27.39659	27.9714		22.48045	50
21.92899	27.09208	27.66618		22.23476	60
21.65028	26.80975	27.38398		21.86623	70
21.38815	26.54586	27.12011	22.30283	21.58983	80
21.13965	26.29665	26.87116	22.12479	21.40557	90
20.90187	26.06006	26.63458	21.95725	21.25201	100
20.67384	25.83373	26.40907	21.79865	21.06775	110
20.45312	25.61626	26.19209	21.64807	20.91419	120
20.23922	25.40665	25.98322	21.50367	20.79135	130
20.03068	25.20387	25.78073	21.36512	20.69921	140
19.82652	25.00689	25.58421	21.23183	20.60708	150
19.62675	24.81503	25.39324	21.10285	20.48424	160
19.4299	24.62795	25.20695	20.97789	20.33068	170
19.23549	24.44462	25.02451	20.85662	20.20784	180
19.04303	24.26506	24.84589	20.73844	20.11571	190
18.85203	24.0889	24.67026	20.62335	20.02357	200
18.66249	23.91548	24.49805	20.51073	19.96215	210
18.47344	23.74444	24.32796	20.40057	19.90073	220
18.28488	23.5758	24.16043	20.29258	19.8086	230
18.09583	23.40886	23.99503	20.18674	19.68575	240
17.90629	23.24363	23.83134	20.08245	19.59362	250
17.71577	23.0801	23.66935	19.98001	19.47077	260
17.52331	22.9176	23.50864	19.87942	19.34793	270
17.32939	22.75647	23.34921	19.77976	19.2558	280
17.13303	22.59602	23.19106	19.68164	19.13295	290
16.93374	22.43625	23.03334	19.58475	19.01011	300
16.73105	22.27682	22.87689	19.4891	18.91798	310
16.52446	22.11774	22.72045	19.39437	18.79513	320
16.31348	21.95899	22.56485	19.30057	18.67229	330
16.09714	21.7999	22.40926	19.20769	18.54944	340
15.87447	21.64082	22.25409	19.11574	18.4266	350
15.64498	21.48105	22.09893	19.02441	18.33447	360
15.40769	21.32094	21.94333	18.93369	18.21162	370
15.16114	21.16015	21.78774	18.84359	18.08878	380
14.90388	20.99833	21.63129	18.75411	17.99665	390
14.63394	20.83549	21.47442	18.66525	17.8738	400
14.3489	20.67128	21.31712	18.57669	17.78167	410
14.04389	20.50537	21.15897	18.48875	17.65883	420
13.71402	20.33809	20.99954	18.40112	17.53598	430
13.34908	20.16876	20.83883	18.3138	17.44385	440
12.93102	19.99704	20.67685	18.22648	17.33329	450

5/12

Fig. 2



6/12

Fig. 3

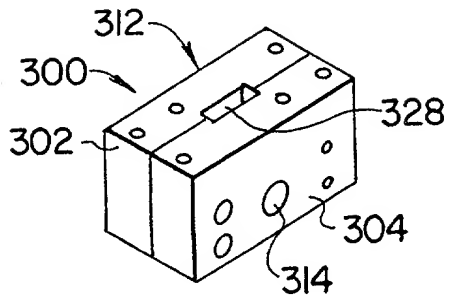


Fig. 4

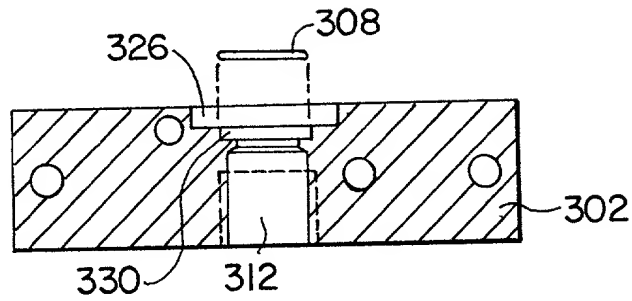
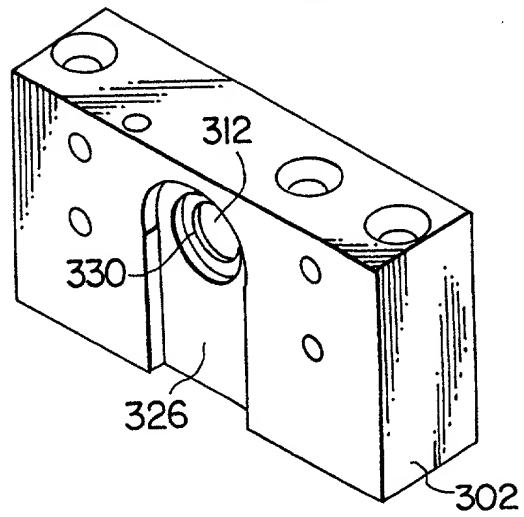


Fig. 5

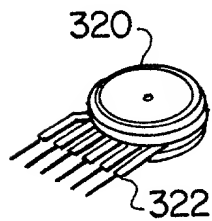
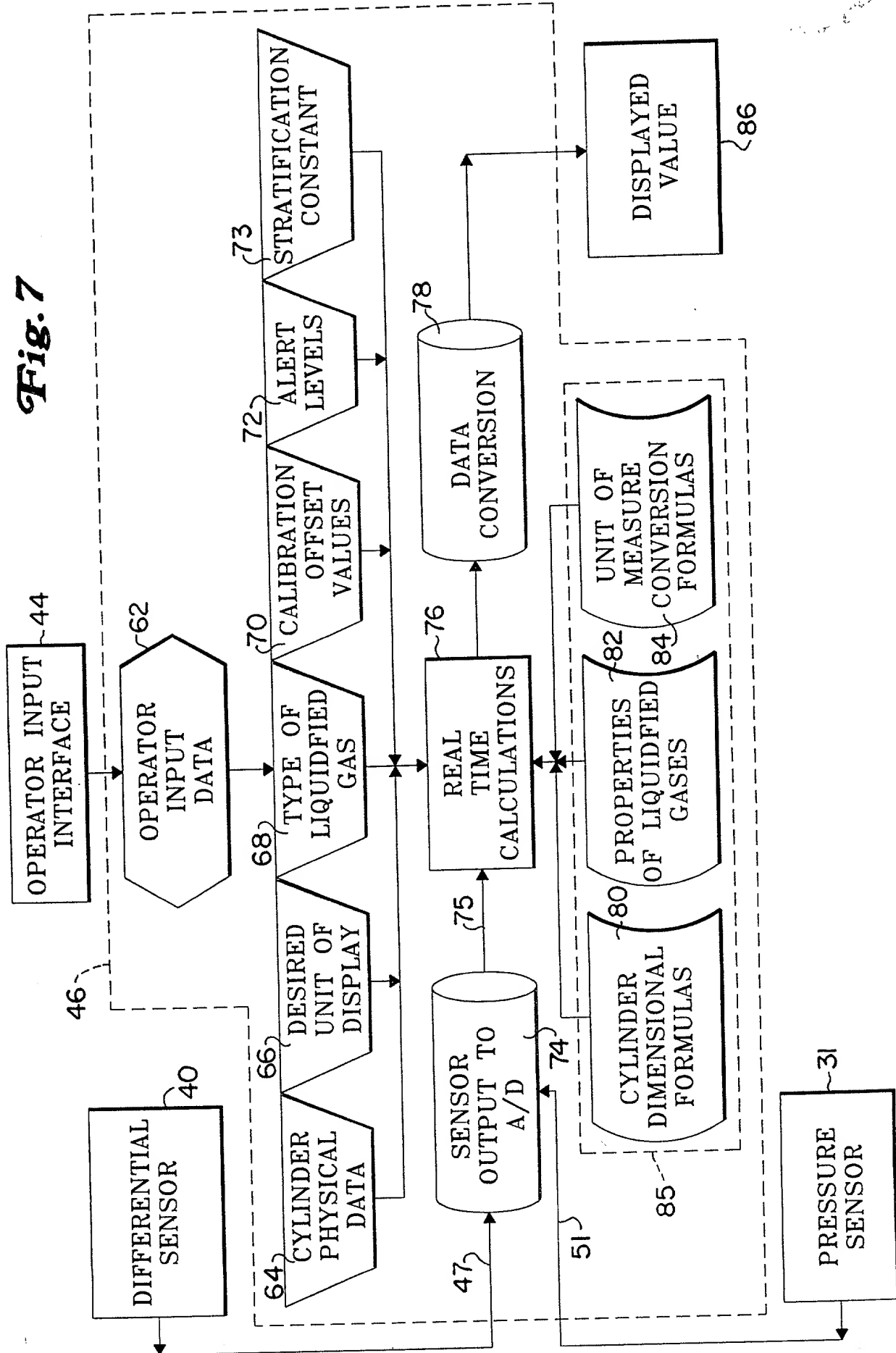


Fig. 6

Fig. 7



8/12

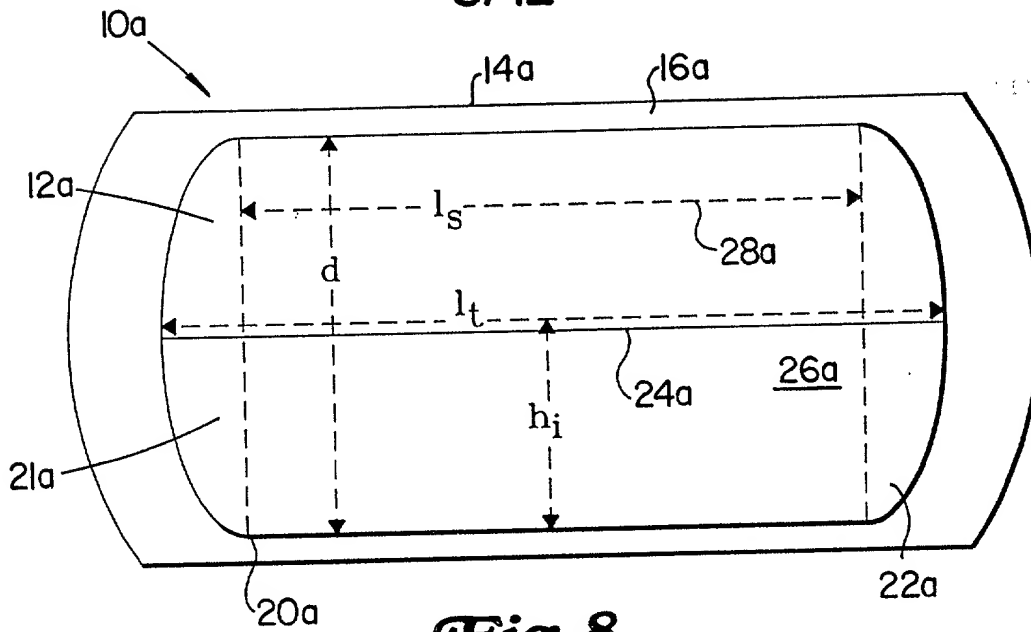


Fig. 8

Fig. 9A

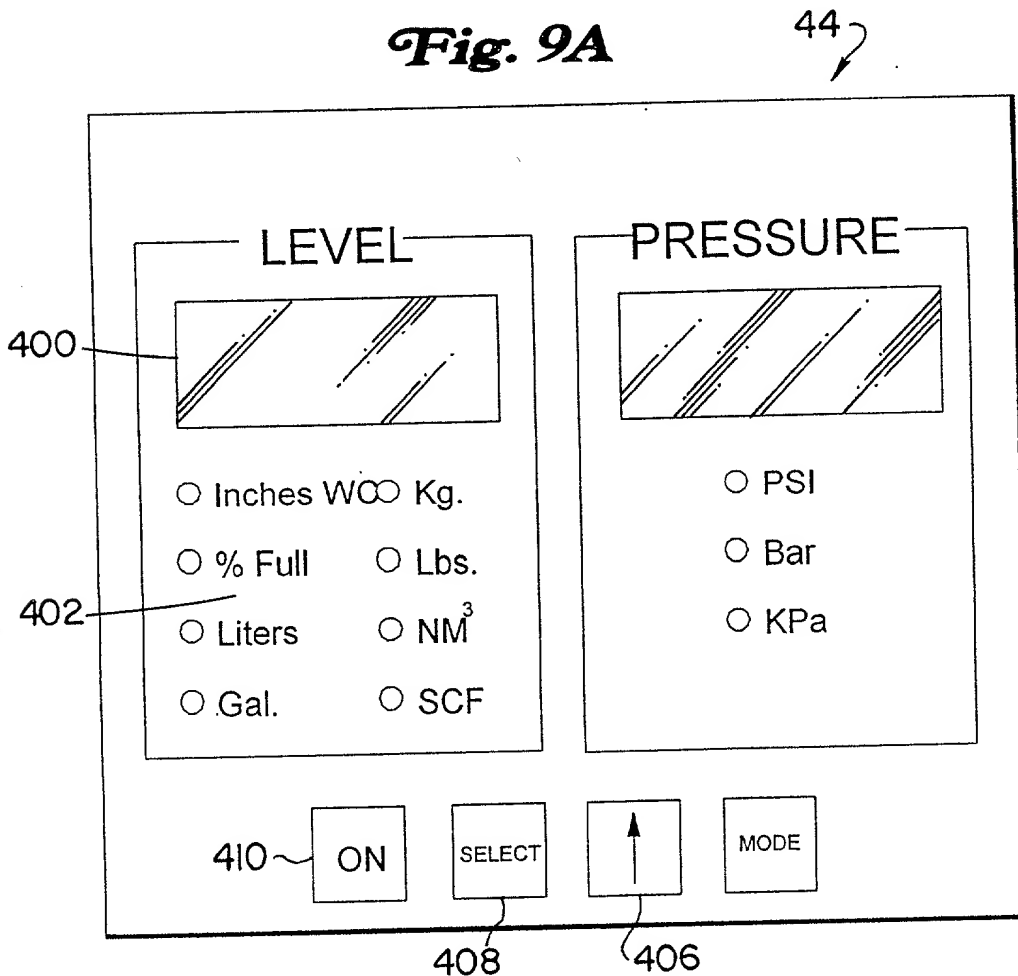
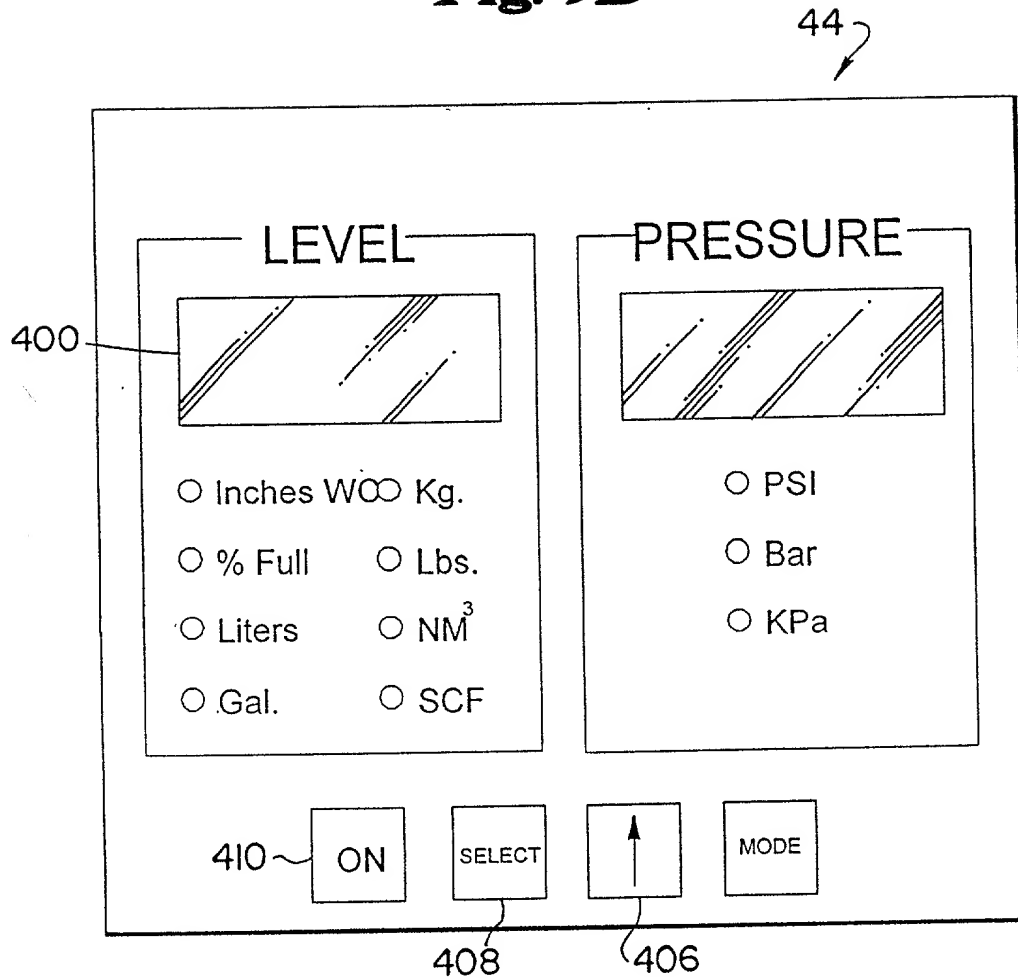
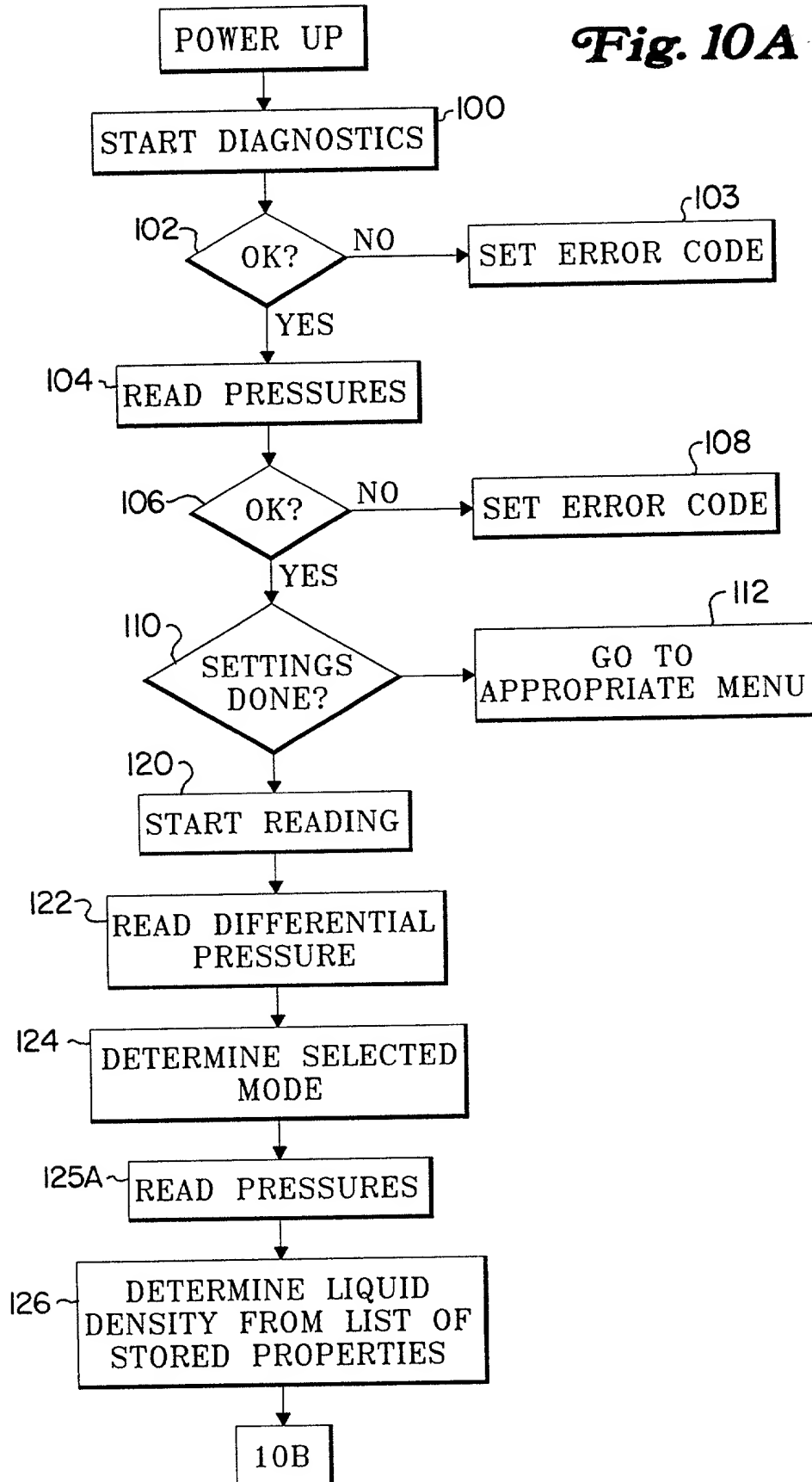


Fig. 9B

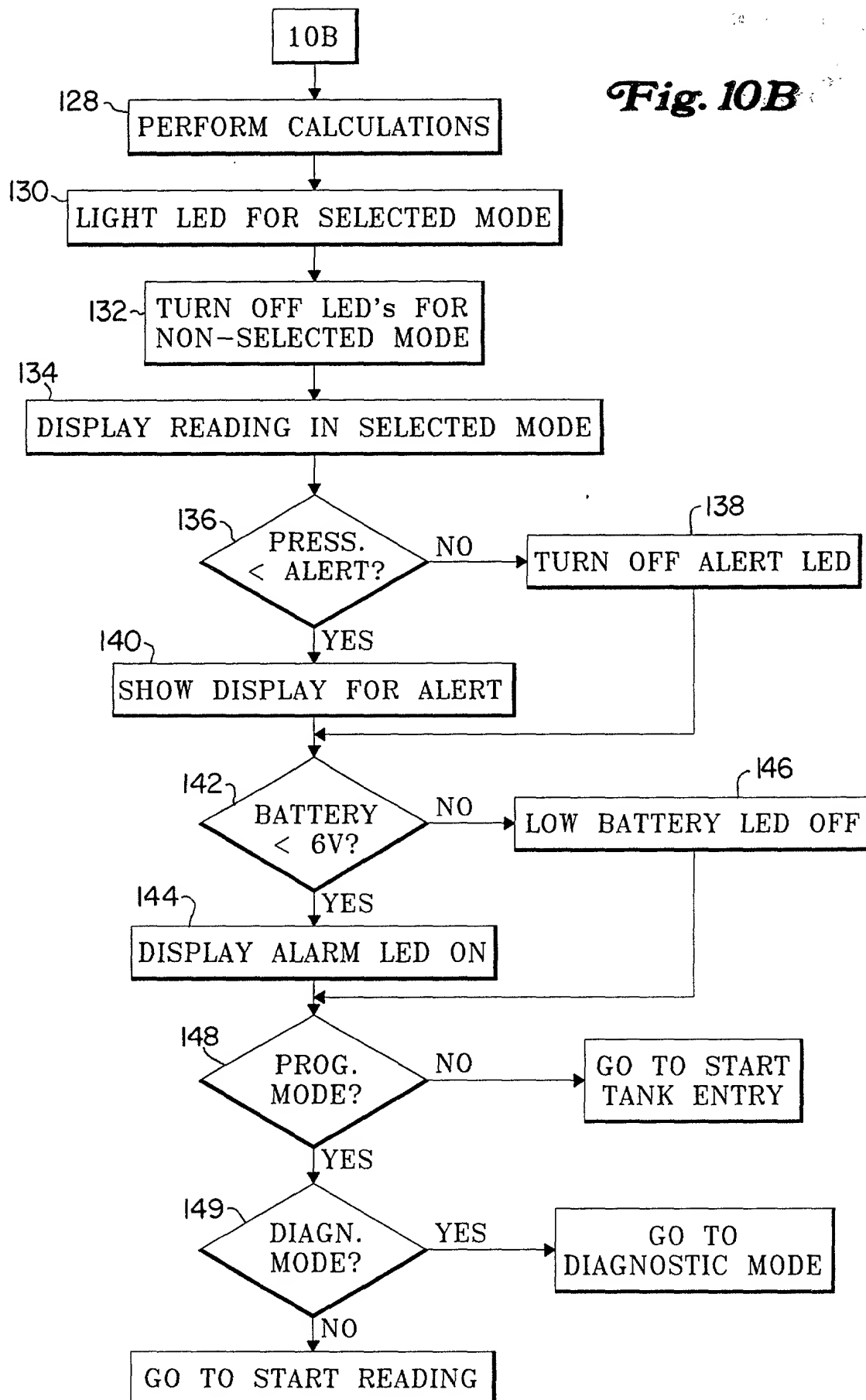


10/12

Fig. 10A



11/12

Fig. 10B

12/12

Fig. 11

